# Javier Romero
*Curriculum Vitae*

**Contact**    Körsbärsvägen 5, 301
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## Research Interests

Machine learning, Visual Perception, Robotics, Computer Vision.

**Education**    *M.S. Telecommunication Engineering,*
Technic Scool of Telecommunication Engineering (ETSIT)
in Polytechnic University of Madrid (UPM)
GPA: 8.23/10.00
Thesis: *Binocular Hand Tracking and Pose Estimation*
Kungliga Tekniska Högskolan (KTH)
Stockholm, Sweden
Adviser: Prof. Jan-Olof Eklundh, Docent Danica Kragic

## Publications

### Journal Papers

H. Kjellström, J. Romero, and D. Kragić. Visual object-action recognition: Inferring object affordances from human demonstration. In *CVIU*, 2011.

### Conference Papers

J. Romero, T. Feix, H. Kjellström, and D. Kragić. Spatio-temporal modeling of grasping actions. In *IROS*, October 2010.

J. Romero, H. Kjellström, and D. Kragic. Hands in action: real-time 3D reconstruction of hands in interaction with objects. In *ICRA*, pages 458–463. IEEE, May 2010.

J. Romero, H. Kjellström, and D. Kragić. Monocular real-time 3D articulated hand pose estimation. In *IEEE-RAS International Conference on Humanoid Robots*, December 2009.

M. Do, J. Romero, H. Kjellstrom, P. Azad, T. Asfour, D. Kragic, and R. Dillmann. Grasp recognition and mapping on humanoid robots. In *IEEE-RAS International Conference on Humanoid Robots*, December 2009.

T. Feix, R. Pawlik, H. Schmiedmayer, J. Romero, and D. Kragic. A comprehensive grasp taxonomy. In *Robotics, Science and Systems Conference: Workshop on Understanding the Human Hand for Advancing Robotic Manipulation*, June 2009.

J. Romero, H. Kjellström, and D. Kragic. Modeling and evaluation of human-to-robot mapping of grasps. June 2009.

J. Romero, H. Kjellström, and D. Kragic. Human-to-robot mapping of grasps. In *Proceedings of IEEE/RSJ International Conference on Intelligent Robots and Systems, WS on Grasp and Task Learning by Imitation*, October 2008.

H. Kjellström, J. Romero, and D. Kragić. Visual recognition of grasps for human-to-robot mapping. October 2008.

H. Kjellström, J. Romero, D. Martinez, and D. Kragic. Simultaneous visual recognition of manipulation actions and manipulated objects. October 2008.

J. Romero, D. Kragic, V. Kyrki, and A. Argyros. Dynamic Time Warping for Binocular Hand Tracking and Reconstruction. In *2008 IEEE International Conference on Robotics and Automation (ICRA 2008)*, May 2008.

## Teaching Experience

2007–2008   Systems Programming in C++ (lab assistant)

2007–2010   Image Processing and Computer Vision (lab assistant)

2007–2010   Artificial Intelligence (in charge of homeworks and final project)

## Memberships

2006–present   Student Member, Institute of Electrical and Electronics Engineers (IEEE)

## Computer Skills

**Operating Systems** GNU/Linux administrator. Advanced user of windows and OS X

**Languages** Fluent in C++, C and Python. Some experience with Matlab and Java.

## Extracurricular

2002–2005   Member of Tilmun theatre group.

2009–2010   Member of Stockholm Players theatre group.

2008–2010   Member of KNEPP photo club (board member 09-10).

## Languages

**Spanish** Native Language

**English** Fluent in speech and writing

**Swedish** Some ability in speech and writing

## Miscellaneous

*Citizenship:* Spanish

*Marital Status:* Single

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